



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Regional Climate Protection Strategy Update

Bay Area Regional Collaborative
July 17, 2015

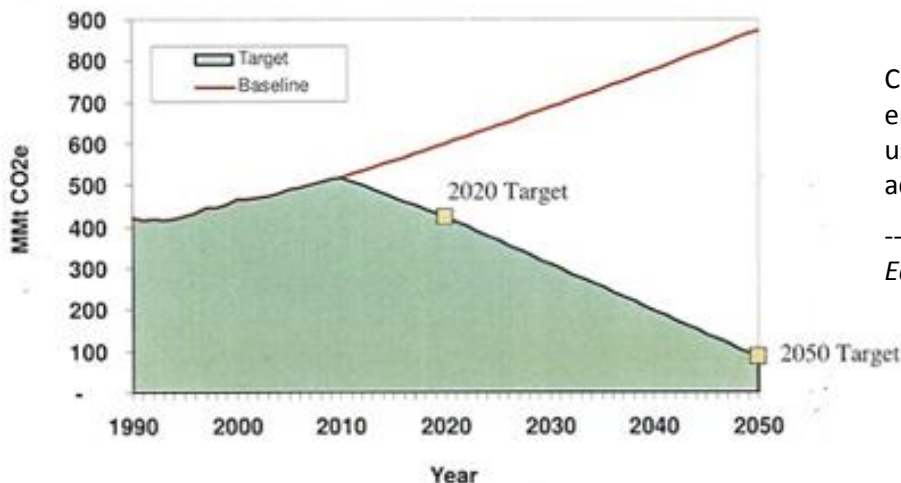
Abby Young
Climate Protection Manager



Climate Protection Resolution

Air District Board Resolution 2013-11:

- Reduce Bay Area GHG emissions 80% below 1990 levels by 2050
- Develop a Regional Climate Protection Strategy (RCPS) to be included in the Clean Air Plan Update
- Develop a work program to guide and document the Air District climate protection work in the near-term



California's statewide GHG emissions under a business-as-usual case with no mitigation actions taken

-- *Energy and Environmental Economics, Inc.*



Regional Climate Protection Strategy

- Bay Area GHG inventory & forecast
- Consumption-based GHG inventory
- Climate change impacts to the Bay Area
- Economic sector-based analysis of GHGs
- GHG emission reduction measures
- Support for Plan Bay Area and regional resiliency work

7.4

17.5

27.6

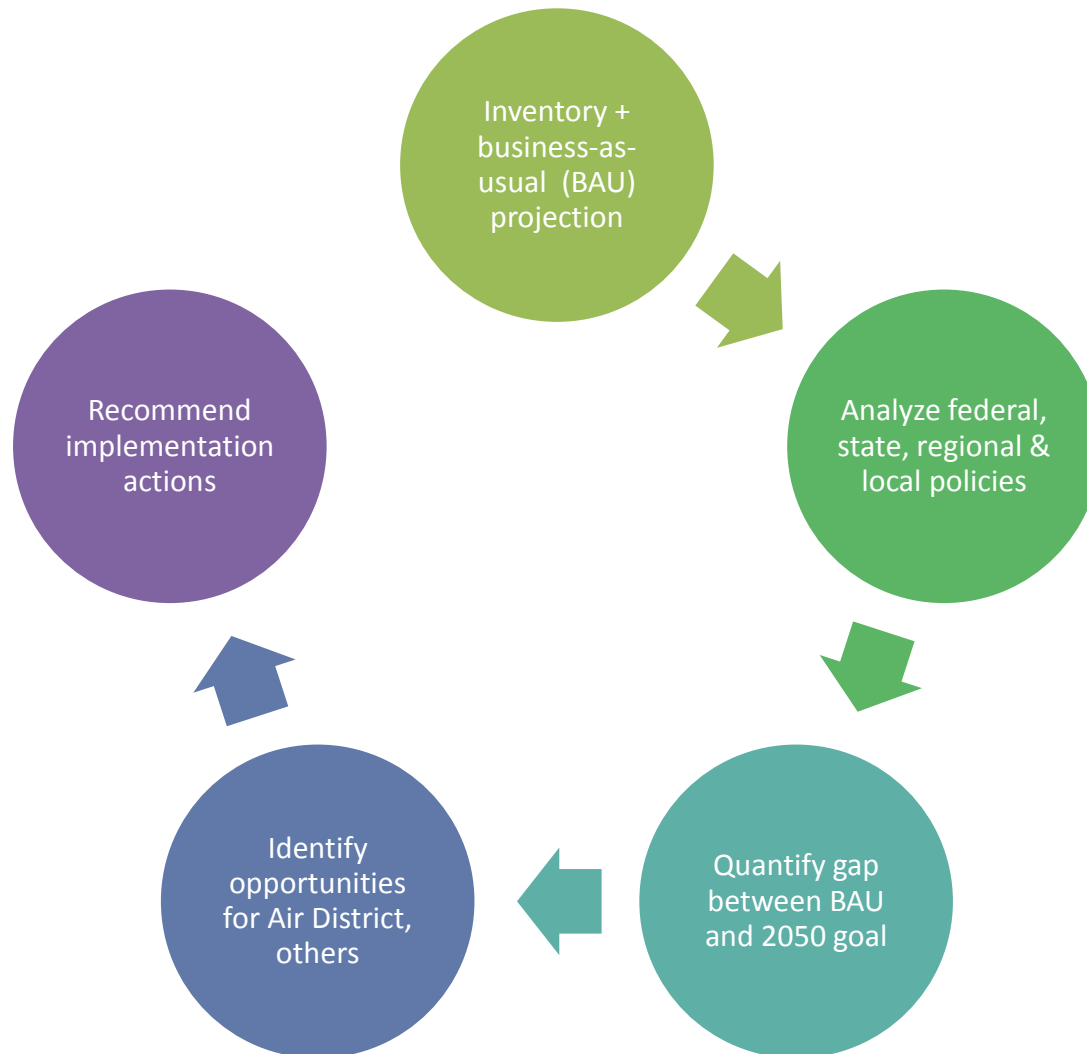
Economic Sector Analysis

Consistent with 2014 Scoping Plan sectors

- Transportation
- Energy
- Agriculture
- Water
- Waste
- Buildings
- Stationary Sources
- Short-lived Climate Pollutants
- Natural & Working Lands



Economic Sector Analysis





Economic Sector Analysis

Stakeholder Review of Draft Analyses

Broad assortment of stakeholders:

- Federal and state agencies
- Regional agencies
- Local governments
- Special districts
- Utilities
- Environmental advocacy groups
- Business representatives and associations
- Research community

Feed back provided on:

- Quantitative analysis
- Policy research
- Suggested emission reduction measures
- Appropriate roles for the Air District

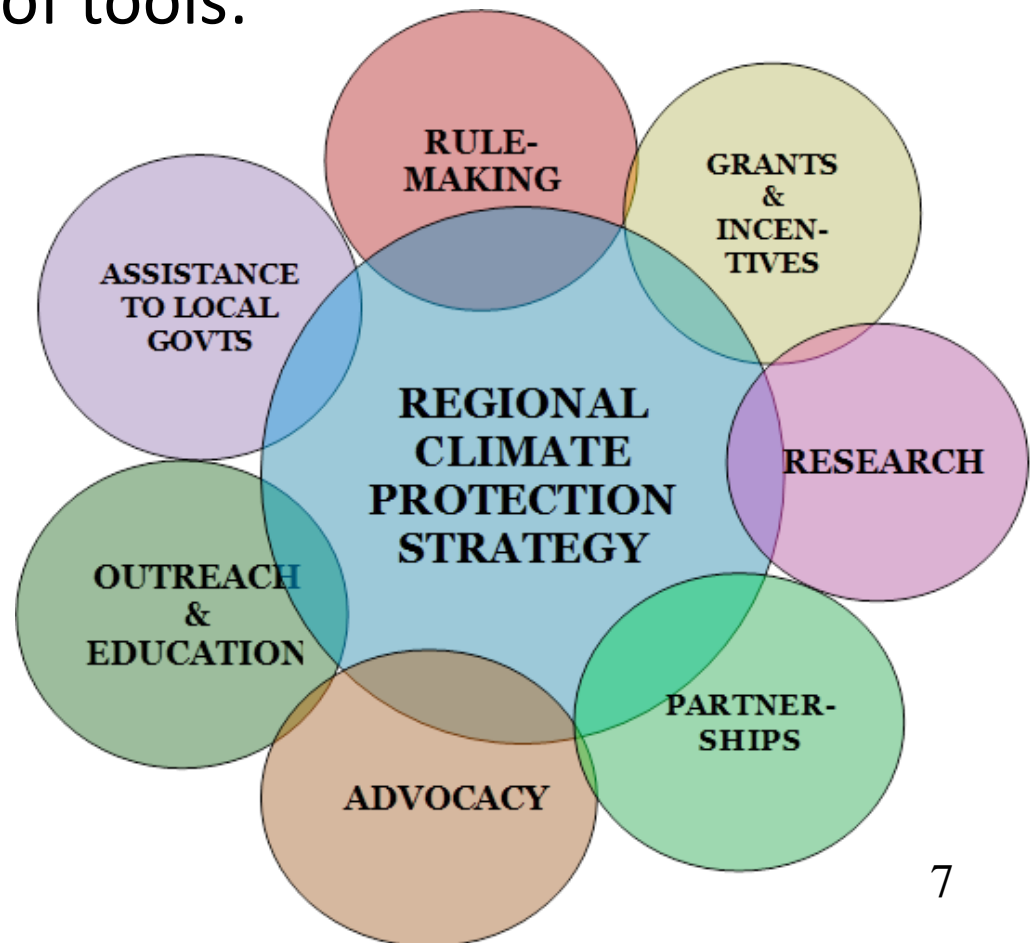


Emerging Themes

In order to:

- Increase energy efficiency
- Reduce demand for fossil fuels
- Decarbonize the energy supply for remaining demand

The Air District will use a variety of tools:





Preliminary Action Areas

Examples of action areas for potential policy development

- Work on the Regional Climate Protection Strategy continues
- Specific recommendations will follow

GHG Source	Air District Approach	Concepts
Transportation	Incentives, Partnerships	Support Plan Bay Area; expand regional programs to reduce VMT (bike/car share, Commuter Benefit); expand regional EV program
Industry (examples): <ul style="list-style-type: none">• GHGs in permitting• Back-up diesel generators• Landfills• Composting facilities• Methane from oil & gas production & natural gas distribution	Rule-making 41.3	Include GHG in permits, require Best Available Control Technologies for new sources; address methane and other short-lived climate pollutants from landfills and composting facilities as well as from oil/gas production and natural gas distribution
Existing Buildings	Assistance to local govts., Incentives, potential Rule-making	Increase efficiency, focus on switching natural gas end uses to electricity and renewables; facilitate use of PACE financing to increase efficiency and renewables in existing buildings

Coordinated Regional Planning

- ABAG, MTC, BCDC staff serve on economic sector expert working groups for RCPS
- Air District and MTC staff working closely on transportation demand measures for RCPS
- Updates on RCPS development at BARC staff, deputy and executive director meetings
- Air District staff participating in:
 - Plan Bay Area public workshops
 - Plan Bay Area technical working groups
 - Adapting to Rising Tides regional workshops
 - BARC Climate Resiliency Work Team





Next Steps for the RCPS

- Complete sector-based GHG analysis
- Complete consumption-based inventory
- Incorporate policies, programs and technical elements of the 10-Point Work Program
- Continue assessing potential emission reduction measures
- Conduct public workshops in the Fall

